

BEIJING ZHONGXING SHIQIANG CERAMIC BEARING CO., LTD.
NO.A38#,WEISHANZHANG INDUSTRY DISTRICT,DAXING DISTRICT,BEIJING,CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : SI3N4(SILICON NITRIDE)PARTS
 SGS Ref No. : CAN15-218686
 Manufacturer : BEIJING ZHONGXING SHIQIANG CERAMIC BEARING CO., LTD.
 Supplier : BEIJING ZHONGXING SHIQIANG CERAMIC BEARING CO., LTD.
 Test Performed : Selected test(s) as requested by applicant
 Sample Receiving Date : Dec 15, 2015
 Test Performing Date : Dec 15, 2015 to Dec 23, 2015
 Test Result(s) : For further details, please refer to the following page(s)

Test Requested	Result
To determine Content(s) of Cadmium(Cd), Lead(Pb), Mercury(Hg), Hexavalent Chromium(CrVI) in the selected parts on the submitted sample(s) with reference to the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.	See Results

Signed for and on behalf of
Guangzhou Branch
SGS-CSTC Ltd.



Yan Lau
Approved Signatory



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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Hardgoods Laboratory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN15-218686.001	Black ring

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : (1)With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 (2)With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 (3)With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
 (4)With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1000	mg/kg	2	ND

Notes :

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) On 4 June 2015, Commission Directive (EU) 2015/863 was published in the Official Journal of the European Union (OJEU) to include the phthalates BBP, DBP, DEHP and DIBP into ANNEX II of the Rohs Recast Directive. The new law restricts each phthalate to no more than 0.1% in each homogeneous material of an electrical product.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
- (4) The restriction of DEHP, BBP, DBP and DIBP shall not apply to cables or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019, and of medical devices, including in vitro medical devices, and monitoring and control



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instruments, including industrial monitoring and control instruments, placed on the market before 22 July 2021.

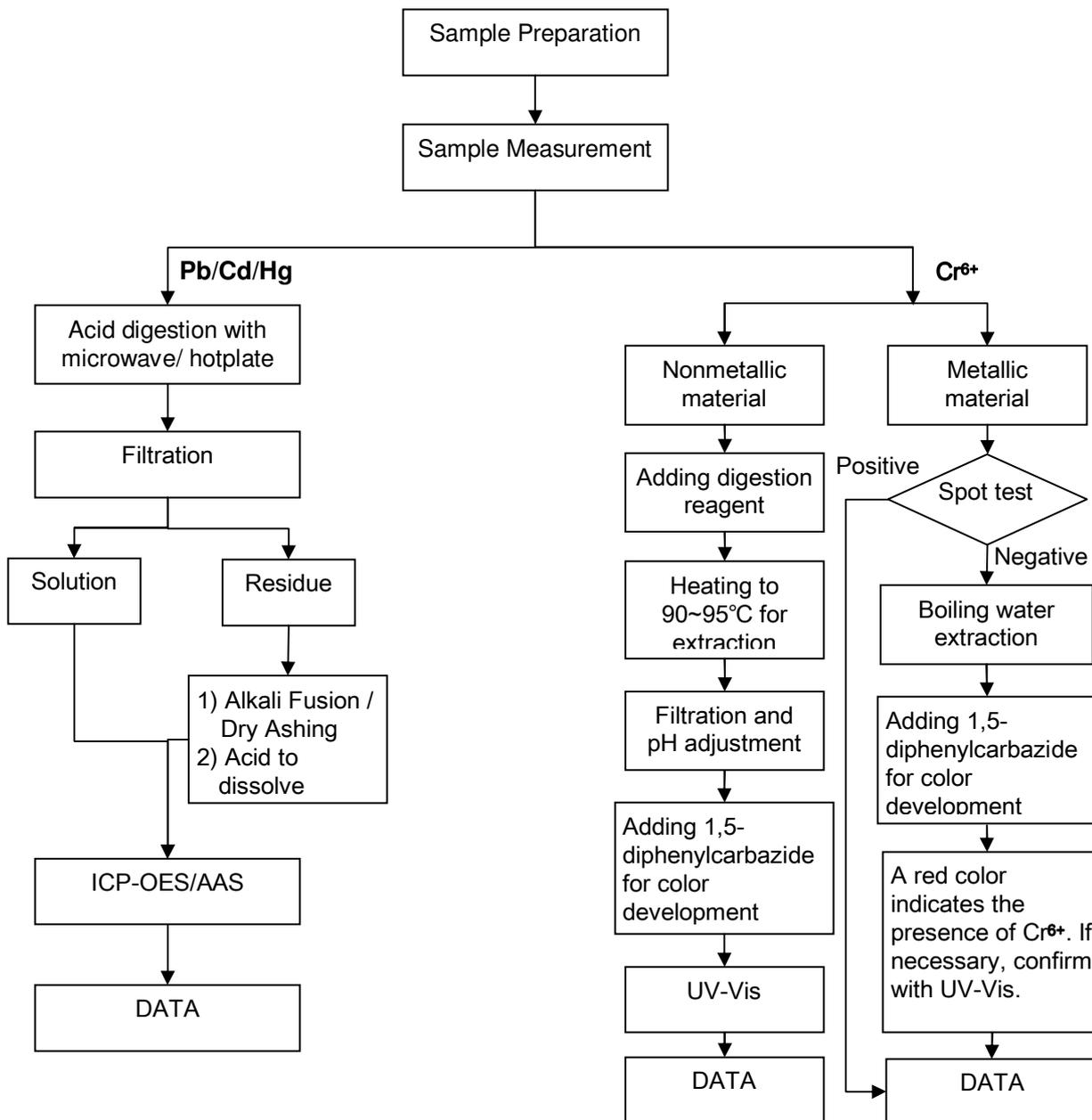
(5) The restriction of DEHP, BBP and DBP shall not apply to toys which are already subject to the restriction of DEHP, BBP and DBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.



ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Michael Tso
- 2) Name of the person in charge of testing: Adams Yu
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr6+ test method excluded)



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Sample photo:



End of Report

